

## Faceting 101 - Lesson 8

### Ostentatious Oval

by Arya Akhavan (November 2012)

Angles for R.I. = 1.610

79 + 16 girdles = 95 facets

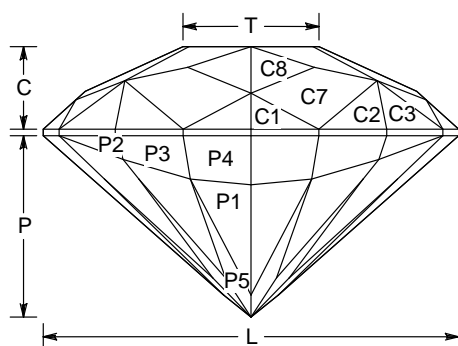
2-fold, mirror-image symmetry

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$L/W = 1.203$   $T/W = 0.394$   $U/W = 0.351$

$P/W = 0.525$   $C/W = 0.239$

$Vol./W^3 = 0.329$



### PAVILION

|    |        |   |                                      |
|----|--------|---|--------------------------------------|
| P1 | 42.02° | 03-09-15-21-<br>27-33-39-45-<br>51-57-63-69-<br>75-81-87-93 | Cut to centerpoint.                  |
| G1 | 90.00° | 21-27-69-75   | Set stone width.                     |
| G2 | 90.00° | 12-36-60-84   | Meet P1, G1 (continue false girdle)  |
| G3 | 90.00° | 06-42-54-90   | Meet P1, G2 (continue false girdle)  |
| G4 | 90.00° | 02-46-50-94   | Meet P1, G3 (continue false girdle)  |
| P2 | 65.02° | 12-36-60-84   | Level girdle.                        |
| P3 | 66.71° | 06-42-54-90   | Level girdle.                        |
| P4 | 67.42° | 02-46-50-94   | Level girdle.                        |
| P5 | 41.02° | 06-12-18-30-<br>36-42-54-60-<br>66-78-84-90                 | Meet P1, P3, P4 (only 4 facets meet) |

### CROWN

|     |        |             |                                 |
|-----|--------|-------------|---------------------------------|
| C1  | 42.08° | 02-46-50-94 | Set girdle width.               |
| C2  | 42.08° | 06-42-54-90 | Level girdle.                   |
| C3  | 47.09° | 12-36-60-84 | Level girdle.                   |
| C4  | 52.05° | 21-27-69-75 | Level girdle.                   |
| C5  | 42.08° | 24-72       | Meet G1, C4                     |
| C6  | 42.18° | 15-33-63-81 | Meet G1, G2, C3, C4             |
| C7  | 36.99° | 04-44-52-92 | Meet G3, G4, C1, C2; C2, C3, C6 |
| C8  | 33.46° | 03-45-51-93 | Meet C1, C7                     |
| C9  | 25.00° | 21-27-69-75 | Meet C2, C3, C6; C4, C5, C6     |
| C10 | 24.55° | 07-41-55-89 | Meet C2, C3, C6, C7, C9         |
| T   | 0.00°  | Table       | Meet C8, C10                    |

Lesson 8 teaches the last concept of this unit, cutting a staggered barion (G1 - P4). As opposed to a geometric barion, a staggered barion chain-cuts the girdle and barion facets, and is usually used in ovals or cushions.

This lesson also teaches cutting codependent facets/meets (C9), a facet that hits two meets at once.

Lesson rules: cut in blue topaz, with no size restrictions

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